

April 12, 1991

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*** Please note Nos. 2 and 5 below ***

COMING MEETINGS

1. Puerto Rico Congress of Cardiology, San Juan (Caribe Hilton Hotel), April 18-21, 1991.
2. Federation of American Societies for Experimental Biology, Atlanta (Georgia World Congress Center), April 21-25, 1991.
3. Stress Proteins and the Heat Shock Response, Cold Spring Harbor, NY (Cold Spring Harbor Laboratory), April 29-May 2, 1991.
4. Measurement of Toxic and Related Air Pollutants, Durham, NC (Omni Durham Hotel), May 6-10, 1991.
5. American Lung Association/American Thoracic Society, Anaheim, CA (Convention Center), May 12-15, 1991.
6. Hugh Lofland Atherosclerosis Conference, Seattle, WA (Stouffer Madison Hotel), May 22-25, 1991.
7. Symposium on Diet and in the Epidemiology of Cancer: Future Directions, Buffalo, NY (Hyatt Regency Hotel), June 11, 1991.
8. Molecular Mechanisms of Carcinogenesis, Saxon's River, VT, July 21-26, 1991. (Sponsored by Federation of American Societies for Experimental Biology, FASEB.)
9. International Conference on Drugs, Alcohol & Tobacco: Making the Science and Policy Connections, London, England (Institute of Psychiatry), July 16-19, 1991.
10. FASEB Conference on Endothelium and Cardiovascular Function, Copper Mountain, CO, July 28-Aug. 2, 1991.
11. FASEB Conference on Cytokines and Lipid Mediators as Regulators of Cell Function, Copper Mountain, CO, Aug. 11-16, 1991.
12. Summer Neuropeptide Conference, Cape Cod, MA, Aug. 18-21, 1991.
13. European Society of Cardiology, Amsterdam (International Congress Centre RAI), Aug. 18-22, 1991.
14. UNESCO Workshop on Lipid-Soluble Antioxidants in Biochemistry of Nutrition and Environmental Health, Penang, Malaysia (University Science Malaysia), Sept. 20-21, 1991.
15. International Symposium on Atherosclerosis, Rosemont-Chicago (Hyatt Regency O'Hare), Oct. 6-11, 1991.

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1. Puerto Rico Congress of Cardiology

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"Identification of patients post myocardial infarction at risk of sudden death" -- Michael Cain, St. Louis.

"Trends in cardiovascular mortality" -- Robert Frye, Rochester, MN.

"Two challenges of the 90s: progression of atherogenesis and prevention of post PTCA restenosis" and "Antithrombotic strategies in coronary artery disease" -- Valentin Fuster, Boston.

"The molecular biology of cardiac contractility" and "The molecular biology of cardiac growth and hypertrophy" -- Bernardo Ginard, Boston.

2. Federation of American Societies for Experimental Biology

"Cancer and the immune response" -- Philip Leder, Harvard Medical School.

"Changes in collagen fibril structure with lung inflation" -- R. Mercer, Duke Univ.

"Endothelial dysfunction in cat coronary arteries: role of free radicals produced by endothelium and neutrophils" -- P.S. Tsao, Jefferson Medical Coll.

"New ways to extract structural information from mutagenesis" -- D. Botstein, Stanford Univ.

"Ozone solubilizes elastin and increases its susceptibility to elastase" -- R.S. Winters, East Tennessee State Univ.

"Changes in ceruloplasmin and its mRNA in tumor bearing rats" -- M.S. Linder, California State Univ.

"Rat ceruloplasmin: resistance to proteolysis and kinetic comparison with human ceruloplasmin" -- T.P. Ryan, Utah State Univ.

"Distribution of xenobiotic metabolizing enzymes in the respiratory tract" -- J. Bond, Chemical Industry Inst. of Technology.

"Uptake/metabolism of inhaled vapors in the respiratory tract: contribution of the nasal tissue" -- A.R. Dahl, Albuquerque, NM.

"Bioactivation of pulmonary toxicants by lung cells: role in lung injury" -- G.S. Yost, Univ. of Utah.

*"Effects of chronic nicotine and haloperidol administration on muscarinic receptor-mediated phosphoinositide turnover in rat brain slices" -- R. Li, National Institute of Mental Health.

*"Effect of cigarette smoke exposure on peroxide scavengers in guinea pig erythrocytes" -- S. Mukherjee, Meharry Medical Coll.

*"Effect of chronic administration of direct and indirect nicotinic agonists on cortical nicotinic and muscarinic receptors" --

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X.-H. Yang, Medical Coll. of Georgia.

*"Tobacco glycoprotein-mediated enhancement of plasminogen activation" -- K. Maher (and Carl Becker), Cornell Medical Coll.

"In vitro analysis of pulmonary inflammatory processes using rat lung organ cultures" -- P. Barton, Univ. of Michigan.

"The role of growth factors in the regulation of proliferation of normal and transformed airway cells" -- Paul Nettesheim, National Inst. of Environmental Health Sciences.

"A new population of mononuclear cells found adherent to arterial endothelium" -- H. Cuenoud, Univ. of Massachusetts.

"Rapid induction of complex atherosclerosis-like lesions in hamsters subjected to carotid air perfusion injury" -- A. Willis, Syntex Research.

"Antitumor proteins in milk and milk whey related to the human antineoplastic urinary protein" -- N. Sloane, Memphis State Univ.

"Nutrition in the epidemiology of chronic disease" -- J. Freudenheim, State University of New York, Buffalo.

"Race and sex differences in the association of fruit and vegetable consumption with lung cancer risk" -- J. Dorgan, National Cancer Inst. (NCI).

"Folate and alcohol consumption and the risk of lung cancer" -- E. Bandera, State University of New York, Buffalo.

"Serum folate levels and invasive cervical cancer" -- N. Potischman, NCI.

*"Diet, cigarettes and alcohol in laryngeal cancer" -- J. Freudenheim.

"A population-based trial of beta-carotene chemoprevention of head and neck cancer" -- S. Mayne, Yale Univ.

"Oxidative status of lipoproteins in coronary disease patients" -- K.Z. Liu, Univ. of Manitoba, Can.

"Biochemical effects of selenium and cadmium on the guinea pig lung following intratracheal instillation" -- R. Bell, Florida A&M Univ.

*"Effect of neonatal nicotine treatment on puberty onset and pituitary gland hormone content in Sprague Dawley rats" -- C. Hodson, East Carolina Univ.

*"Structure/activity studies of lophotoxin and related nicotinic receptor antagonists" -- S. Abramson, University of California at San Diego.

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"Dietary diversity and mortality in the NHANES I epidemiologic followup study" -- A. Kant, Queens Coll.

"Dietary antioxidant vitamins and odds ratios for coronary heart disease" -- C. Bolton-Smith, Aberdeen, Scotland.

"Macrophage-derived metalloproteinases" -- H. Welgus, St. Louis.

"Metalloproteinase inhibitors" -- M. Banda, University of California at San Francisco.

"Structure and function of neutrophil elastase" -- James Travis, Univ. of Georgia.

*"Airway irritation evoked by inhaling cigarette smoke in human subjects: effects of nicotine" -- L.-Y. Lee, Univ. of Kentucky.

*"Effects of oral smokeless tobacco on blood flow to tissues of the mouth of the anesthetized dog" -- A. Williams, Jr., Texas Coll. of Osteopathic Medicine.

*"Cross-tolerance of human placental plasma membranes of smokers to fluidizing effects of alcohol" -- B.V.R. Sastry, Vanderbilt Univ.

"Metabolism of xenobiotics in normal human lung tissue and lung carcinomas" -- T. McLemore, NCI.

*"Effects of amphetamine, cocaine, nicotine and nomifensine on locomotor activity in rats" -- G. Schaefer, Emory University.

*"Nicotine-induced desensitization of its discriminative stimulus in the rat" -- J.A. Rosecrans, Medical College of Virginia.

*"Distribution of nicotinic and opioid hyperalgesic loci in the rat brain" -- S.R. Hamann, Univ. of Kentucky.

*"Nicotinic modulation of nociception in nucleus raphe magnus: mediation by noradrenaline and serotonin" -- E.T. Iwamoto, Univ. of Kentucky.

*"Modulatory effect of EDTA on antinociceptive action of nicotine" -- W. Chui, New Jersey Medical School.

"Approaches to the analysis of gene expression in normal and diseased vessels" -- P. Libby, Boston.

"Local expression of growth factors and thrombogenic proteins in human atherosclerotic plaques: studies by in situ hybridization" -- J. Wilcox, Emory Univ.

"Benzo(a)pyrene treatment results in complete infertility in female pigeons." -- J. Hough, Utica, NY.

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"Effects of ozone on human blood plasma" -- C.E. Cross, Berkeley, CA.

*"Effect of vitamin C supplementation on sperm quality of heavy smokers" -- E.B. Dawson, Univ. of Texas.

*"Effect of maternal alcohol and nicotine intake, individually and in combination, on fetal growth in the rat" -- J. Leichter, Univ. of British Columbia.

"Vitamin E induces tumor cells to produce an antiproliferative factor" -- K. Kline, Univ. of Texas.

"Protective actions of vitamin A and beta-carotene on the cardiovascular system" -- E. Seifter, The Bronx.

*"Inflammatory cytokines produced by alveolar cells cultured with a tobacco glycoprotein" -- T. Francus, New York.

"Effects of aging on humoral immune responses in the lung and other compartments" -- P. Smith, National Inst. for Dental Research.

"Active oxygen species as factors in multistage carcinogenesis" -- G. Witz, Univ. of Medicine and Dentistry of New Jersey.

"The role of cell proliferation in multistage carcinogenesis" -- B. Butterworth, Chemical Industry Inst. of Technology.

*"The relationship between atherosclerosis, smoking and increased red blood cell shear elasticity" -- C. Baker, Univ. of Kentucky.

"Magnetic field measurement and human health assessment" -- P. Breysse, Johns Hopkins Univ.

*"Stimulation of vagal bronchial C-fibers by cigarette smoke in dogs" -- T. Pisarri, Univ. of Kentucky.

*"Pulmonary function in smokers and nonsmokers at high altitude" -- F. Forte, Jr., Natick, MA.

"Expression of the yeast delta nine fatty acid desaturase in tobacco (*Nicotiana tabacum*)" -- J. Polashock, Rutgers Univ.

"Oxidant injury" -- A. Autor, Univ. of British Columbia.

"Intracellular generation of free radicals" -- A. Boveris, Univ. of Buenos Aires.

"The consequences of human exposure to ozone" -- D. Bates, Univ. of British Columbia.

*"Acute stimulation of ornithine decarboxylase in neonatal rat brain regions by nicotine: a receptor-mediated process" -- W.

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Smith IV, Duke Univ.

"Nutrition and cancer: a larger perspective based on an ecologic study in China" -- T. Campbell, Cornell Univ.

*"Smoking and nutrient intake" E. Schafer, Iowa State Univ.

"Effects of oxidant stress on airway epithelial function" -- R. McBride, Rochester, NY.

"Roles of human cytochrome P450 enzymes in the oxidation of carcinogens" -- F. Guengerich, Vanderbilt Univ.

"Cellular senescence and cancer" -- J. Barrett, Research Triangle Park, NC.

*"Role of rat liver cytochrome P-450 isozymes in nicotine metabolism" -- R. Bjercke, Food and Drug Administration.

*"Use of a physiological based pharmacokinetic nicotine-cotinine model to assess the influence of nicotine on the distribution of cotinine in man" -- G. Kamimori, Walter Reed Army Inst. of Research.

*"Evidence for the influence of race on T cell subset alterations associated with cigarette smoking" -- D. Tollerud, Univ. of Pittsburgh.

3. Stress Proteins and the Heat Shock Response

There'll be sessions on: molecular basis of the heat shock/-stress responses; stress protein expression and function during normal and neoplastic cell growth and development; regulation and function of stress proteins in aging, pathophysiology, cancer, infectious diseases, and immunobiology; the big picture -- adaptation of cells and organisms to stressful conditions in the environment.

4. Measurement of Toxic and Related Air Pollutants

"The Staten Island/New Jersey Urban Air Toxics Assessment Project" -- Conrad Simon, Environmental Protection Agency.

*"Nicotine in environmental tobacco smoke (ETS): comparison of mobile personal and stationary area sampling" -- Roger Jenkins, Oak Ridge, TN.

*"ETS in commercial aircraft: real-time data" -- Delbert Eatough, Provo, UT.

*"Where there's smoke...? Biases in the use of nicotine and cotinine as ETS biomarkers" -- P.R. Nelson, Winston-Salem, NC.

"Transient microenvironmental concentration distributions of benzene, other VOCs and carbon monoxide" -- Edwin Furtaw, Las

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Vegas, NV.

"Target transformation factor analysis of indoor polynuclear aromatic hydrocarbons collected in Columbus, OH" -- M. Cheng, Potsdam, NY.

"VOCs measured in the passenger compartment of automobiles" -- Nicholas Lawryk, Piscataway, NJ.

"Estimation of exposure profiles to complex mixtures in the indoor air environment" -- R. Hetes, Research Triangle Park.

"Indoor air as a significant source of chlordane to people" -- Mark Dearth, Dearborn, MI.

"Indoor concentrations of polycyclic hydrocarbons in nonsmokers' residences during winter and summer seasons" -- Jane Chang, Columbus, OH.

5. American Lung Association/American Thoracic Society

"Overview of mechanisms of pulmonary vascular regulation by reactive O₂ species" -- M. Wolin, Valhalla, NY.

"Intravascular reactions of active O₂ species" -- B. Freeman, Birmingham, AL.

"Oxidant modulation of pulmonary vascular reactivity" -- G. Gurtner, Valhalla, NY.

"Mechanisms in the development of airway narrowing" --- J. Drazen, Boston.

"Comparative dosimetry of inhaled materials" -- F. Miller, Durham, NC.

"Responses to oxidant gases" -- C. Plopper, Davis, CA.

"Pulmonary carcinogenesis" -- G. Boorman, Research Triangle Park.

"Upper respiratory tract: the first mucosa" -- R. Bascom, Baltimore, MD.

"Nonspecific defense mechanisms: methods to study airway mucin glycoprotein composition" -- D. Culp, Rochester, NY.

"Pollutants and respiratory infections: addressing the issue in humans" -- M. Frampton, Rochester, NY.

"Airway epithelium: assessment of injury/inflammatory responses in vivo" -- J. Balmes, San Francisco.

"Alterations in gene expression during lung injury" -- S. Horowitz, Rochester, NY.

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"Xenobiotic metabolism in the lung: importance of both activating and detoxifying systems" -- A. Buckpitt, Davis, CA.

"Structure and regulation of cytochrome P-450 isozymes expressed in the lung" -- R. Philpot, Research Triangle Park.

"The role of the cytochrome P-450 system in human lung carcinogenesis" -- T. McLemore, Paris, TX.

"Epidemiologic evidence of varying susceptibility to inhaled substances" -- M. Becklake, Montreal.

"Understanding biologic variability in susceptibility to respiratory disease: animal models" -- R. Levitt, Baltimore.

"Lung cancer susceptibility" -- J. Hasday, Baltimore.

*"Differential responses to tobacco smoke" -- R. Bascom, New Haven, CT.

*"Nicotine pharmacokinetics and pharmacodynamics" -- Neal Benowitz, San Francisco.

*"Molecular and biochemical aspects of nicotine's effects" -- N. Grunberg, Bethesda, MD.

*"Behavioral and psychological aspects of nicotine's effects" -- Jack Henningfield, Baltimore.

*"Treatment and prevention of nicotine addiction" -- H. Lando, Minneapolis, MN.

"Neuropeptides and lung growth" -- M. Sunday, Boston.

"Insulin-like growth factors in the developing lung" -- V. Han, London, Ontario, Can.

"Platelet-derived growth factor in the developing lung" -- M. Post, Toronto.

There will be separate papers on respiratory diseases among minorities in North America: blacks, Hispanics, American Indians, Asians, other groups.

There will be sessions on: indoor air pollution: health effects, controls and public policy; airway inflammation and allergic diseases; occupational lung disease.

6. Hugh Lofland Atherosclerosis Conference

Sessions include these topics: lipids and atherosclerosis; cellular and molecular mechanisms of arterial wall; regulation of arterial cell growth; leukocyte interactions with arterial cells; angiogenesis/endothelial cell growth.

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